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WATER SUPPLY OUTLOOK FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and
NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed on the last page of this report.

AS OF
FEB. 1, 1969

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80521
Idaho	P. O. Box 38, Boise, Idaho 83707
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

|||||

Released by

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DEPARTMENT OF CONSERVATION AND
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|||||

Report prepared by

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INDEX TO NEVADA SNOW COURSES (By Basins)

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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Snake River Basin

Snake River					
15H1MA	BEAR CREEK	31	46N	58E	7800
15H2	FOX CREEK	33	46N	58E	6800
15H13	GOAT CREEK	31	46N	60E	8800
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E	8945
14H1	JACKS CREEK	6	42N	62E	7000
15H20a	MERRITT MOUNTAIN	10	46N	54E	7000
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330
15H18a	REG POINT	15	47N	61E	7940
15H3A	76 CREEK	6	44N	58E	7100
15H19a	5TAG MTN.	29	41N	58E	7800

Owyhee River

15H4MP	BIG BEND	30	45N	56E	6700
16H6a	COLUMBIA BASIN	31	44N	53E	6650
16H8a	FAWN CREEK	2	45N	52E	7000
15H5	GOLD CREEK	32	45N	56E	6600
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2A	JACK CREEK, UPPER	9	42N	53E	7250
16H4	JACKS PEAK	28	42N	53E	8420
16H5	LAUREL CRAW	20	45N	53E	6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440
15H9MP	TAYLOR CANYON	35	39N	53E	6200

Interior

Upper Humboldt River

15J17a	AMERICAN BEAUTY	32	31N	58E	7800
16H6a	COLUMBIA BASIN	31	44N	53E	6650
15J12A	CORRAL CANYON	27	28N	57E	8500
15J1MP	ODDSEY BASIN	28	35N	60E	8100
05J3	ORY CREEK	3	34N	55E	6500
15H7	FRY CANYON	31	43N	54E	6700
15J9MP	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
15J4	LA MOILLE #1	15	32N	58E	7100
15J5	LA MOILLE #2	14	32N	58E	7300
15J6M	LA MOILLE #3	24	32N	59E	7700
15J7	LA MOILLE #4	19	32N	59E	8000
15J8P	LA MOILLE #5	31	32N	59E	8700
15J18a	POLE CANYON	31	35N	61E	9140
15J16a	ROBINSON LAKE	23	33N	59E	9200
15J2MP	RODGO FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H8	TREMEAN RANCH	9	39N	55E	5700
15H10P	TROUT CREEK, LOWER	28	37N	61E	6900
15H11A	TROUT CREEK, UPPER	4	36N	61E	8500

Lower Humboldt River

17K1	BIG CREEK CAMP GROUND	10	17N	43E	6600
17K2	BIG CREEK MINE	23	17N	43E	7600
17K3	BIG CREEK, UPPER	26	17N	43E	8000
17H2	BUCKSKIN, LOWER	25	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	8200
17J2	GOLCONOA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	39E	7800
17H5	LAMANCE CREEK	13	42N	38E	6000
17L1	LOWER CORRAL	12	11N	40E	7500
17H3	MARTIN CREEK	18	44N	40E	6700
16H3AP	MIDAS	18	39N	46E	7200
18H7	TOE JAM a	29	40N	50E	7700
17L2	UPPER CORRAL	20	11N	41E	8500

Eastern Nevada

14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	68E	9250
14K2	BERRY CREEK	23	17N	65E	9100
14K1	BIRD CREEK	34	19N	65E	7500
15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN	6	35N	61E	7900
14KB	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	26	16N	62E	7250
15K1	ROBINSON SUMMIT	23	18N	61E	7600
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARD MOUNTAIN #2	25	15N	62E	7875
15L1	WHITE RIVER #1	31	13N	59E	7400

Central Great Basin

18M2	CAMPITO MTN (CAL.)	19	55	35E	10200
18M5a	CHIATOVICH FLAT	32	25	34E	10500
15N2	CLARK CANYON	8	19S	56E	9000
18M1	MONTGOMERY PASS	4	1N	33E	7100
18M3a	PINCHOT CREEK	28	1N	33E	9300
18M4a	PIUTE PASS (CAL.)	33	4S	33E	11700
15N1	TROUGH SPRINGS	23	18S	55E	8500

Northern Great Basin

19H1	BALD MOUNTAIN	17	45N	21E	6720
19H2	BARBER CREEK (CAL.)	23	16N	65E	6500
20H6	CEGAR PASS (CAL.)	12	43N	14E	7100
18G6a	OENIO CREEK (OREG.)	14	41S	34E	6000
18H1	OISASTER PEAK	8	47N	34E	6500
20H3a	OISMAL SWAMP (CAL.)	31	48N	22E	7000
20H7	EAGLE PEAK (CAL.)	35	40N	15E	7200
19H3	49-MTN	7	42N	19E	6000
19H2	HAYS CANYON	1	39N	16E	6400
19H4a	LITTLE BALLY MTN	8	35N	19E	6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN RIDGE	9	47N	41E	6300
20H4	RESERVATION CREEK (CAL.)	12	46N	15E	5900
18G5a	TROUT CREEK (OREG.)	10	41S	38E	7800

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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Lake Tahoe

19L14	OAGGETTS PASS	19	13N	19E	7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450
19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
19K6	GLENBROOK #2	13	14N	18E	6900
19L3M5Z	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8200
19K4M5TZ	MARLETTE LAKE	18	15N	19E	8000
20L3	RICHARDSONS #2 (CAL.)	6	12N	18E	6500
20L1	RUBICON #1 (CAL.)	6	13N	17E	8100
20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17M	WARD CREEK (CAL.)	21	15N	16E	7000
20K255TZ	WARD CREEK #2 (CAL.)	21	15N	16E	6750

Truckee River

20K14	BOCA #2 (CAL.)	28	18N	17E	5900
20K22	BROCKWAY SUMMIT (CAL.)	3	17N	16E	7100
20K21	ODNNER PARK #2 (CAL.)	18	17N	16E	6000
20K10*	ODNNER SUMMIT (CAL.)	25	17N	14E	6900
20K7*	FOROYCE LAKE (CAL.)	34	18N	13E	6500
20K8*	FURNACE FLAT (CAL.)	10	17N	13E	8100
20K4MP	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	SOUAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K2	WEBBER LAKE (CAL.)	29	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000

Carson River

19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L19a	EBBETS PASS (CAL.)	17	8N	20E	8700
19L6A	POISON FLAT (CAL.)	25	8N	21E	7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050
19L20a	WOLF CREEK (CAL.)	35	8N	20E	8000
19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E	8100

Walker River

19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAPON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
19L17a	LOBDELL LAKE (CAL.)	20	7N	24E	9200
18L2	MT. GRANT	23	8N	28E	9000
19L7M	SONORA PASS (CAL.)	1	5N	21E	8800
19L23 stz	SONORA PASS BRIDGE	6	5N	22E	8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E	9800
19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E	8500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	9200
19L22 stz	VIRGINIA LAKES RIDGE	32	3N	25E	9200

Colorado

Lower Colorado River

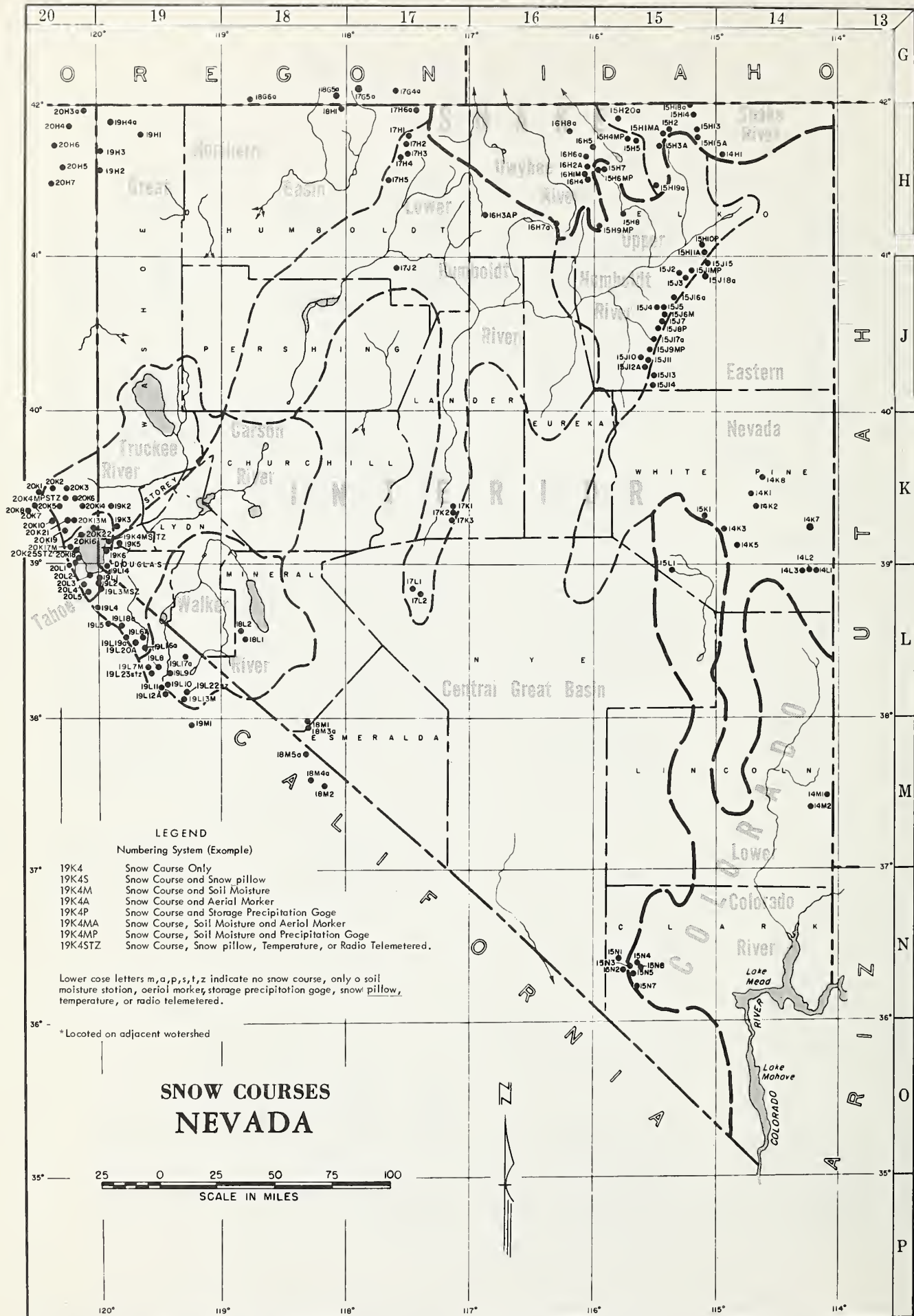
15N5	KYLE CANYON	27	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8400
15N3	LEE CANYON #2	9	19S	56E	9200
15N8	LEE CANYON #3	10	19S	56E	8500
14M1	MATHEW CANYON	10	6S	70E	6000
14M2	PINE CANYON	23	6S	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100

LEGEND NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K45	SNOW COURSE AND SNOW PILLOW
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4A	SNOW COURSE AND AERIAL MARKER
19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE
19K45TZ	SNOW COURSE, SNOW PILLOW AND TEMPERATURE RADIO TELEMETERED.

LOWER CASE LETTERS m, a, p, s, t, z, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER, STORAGE PRECIPITATION GAGE, SNOW PILLOW, TEMPERATURE, OR RADIO TELEMETERED.

*LOCATED ON ADJACENT WATERSHED



LEGEND

Numbering System (Example)

- | | | |
|-----|---------|--|
| 37* | 19K4 | Snow Course Only |
| | 19K4S | Snow Course and Snow pillow |
| | 19K4M | Snow Course and Soil Moisture |
| | 19K4A | Snow Course and Aerial Marker |
| | 19K4P | Snow Course and Storage Precipitation Gage |
| | 19K4MA | Snow Course, Soil Moisture and Aerial Marker |
| | 19K4MP | Snow Course, Soil Moisture and Precipitation Gage |
| | 19K4STZ | Snow Course, Snow pillow, Temperature, or Radio Telemetered. |

Lower case letters m,a,p,s,t,z indicate no snow course, only a soil moisture station, aerial marker, storage precipitation gage, snow pillow, temperature, or radio telemetered.

* Located on adjacent watershed

SNOW COURSES NEVADA

25 0 25 50 75 100
SCALE IN MILES

WATER SUPPLY OUTLOOK

FOR NEVADA

February 1, 1969

SNOW-STORED WATER IN THE MOUNTAIN WATERSHEDS OF NEVADA IS EXCELLENT. LATE JANUARY STORMS DEPOSITED HEAVY INCREASES TO THE SNOW PACK. FEBRUARY SNOW SURVEYS INDICATE THAT THE MOUNTAIN SNOW PACK VARIES FROM 225 PERCENT OF AVERAGE IN THE SIERRA NEVADA RANGE TO 145 PERCENT IN THE UPPER HUMBOLDT BASIN. APRIL-JULY STREAMFLOW FORECASTS INDICATE AN EXCELLENT WATER SUPPLY THIS SEASON.

Snow storms, beginning on January 19, have deposited extremely heavy amounts of snow on Nevada's watersheds. February 1 snow surveys indicate a snow pack ranging from 250 percent of average on the headwaters of the Carson and Truckee drainages to 125 percent on the Lamoille River drainage. Many snow courses located in the Sierra Range are currently indicating more snow water than is expected for a maximum during an average season. Similarly, the snow pack is about twice the normal for this date in the Owyhee, Snake, and Lower Humboldt basins.

Snow surveys began some sixty years ago in Nevada, and, since that time, this year's snow pack in the Sierra Range has been exceeded only two times for the February date.

Soil moisture conditions under the snow pack continue to improve. Soils in the Humboldt and Owyhee drainages are well primed and are not expected to absorb much water from snow melt this spring. Valley and lower-elevation soils are also reported to be in good condition due to the recent storms.

Nevada's seven principal reservoirs, exclusive of Lake Mead and Lake Mohave, now hold 890,000 acre-feet of stored water. This is 124 percent of average for this date. Reservoir water has increased during January, due to the above-normal streamflow experienced last month.



Streamflow forecasts for the April-July period range from 170 percent of normal on the Humboldt to 160 percent of average on the West Walker.

With the abundant snow cover in the Sierra Nevada Mountains, it is expected that all of the east-slope Sierra streams will flow much above normal this year. Streamflow in northeastern Nevada, similarly, should flow above average next summer.

The following table shows a comparison of streamflow forecasts for the coming irrigation season to the flow of past years:

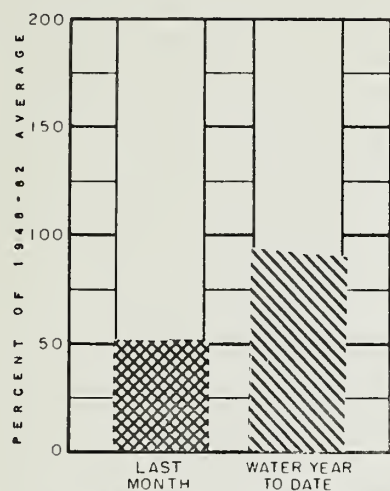
STREAM	April-July Streamflow, Thousand Acre-Feet				
	Forecast 1969	15-Yr. Average 1953-67	1969 as % of 15-Yr. Av.	Measured Runoff 1968	1967
Owyhee River near Gold Creek, Nevada *	26	16	162	2	11
Owyhee River near Owyhee, Nevada *	107	60	178	14	72
Humboldt River at Palisade, Nevada	262	154	170	81	200
West Walker below East Fork near Coleville, California	228	143	160	96	236
Virgin River at Virgin, Utah **	86	38	223	51	51

* Corrected for storage in Wild Horse Reservoir.

** April-June forecast furnished by SCS, Salt Lake City, Utah.

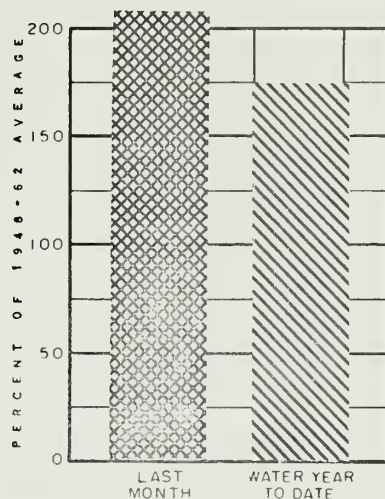
SELECTED CURRENT STREAMFLOW STATIONS

FEBRUARY 1, 1969



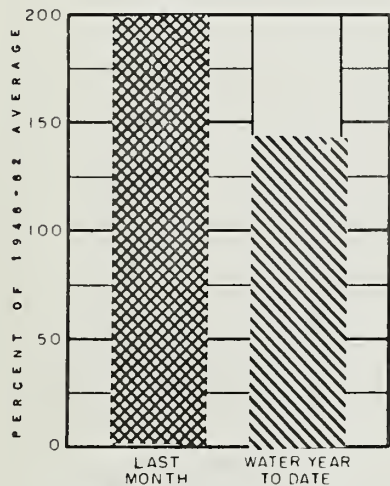
Owyhee near Owyhee, Nev.

222%

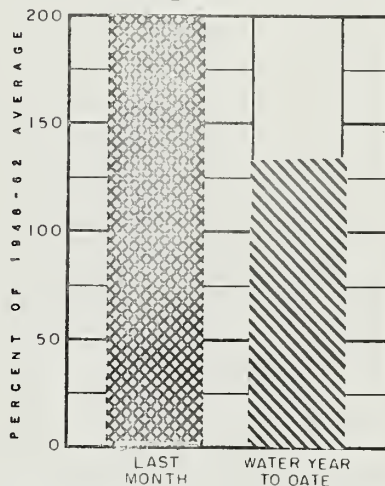


Humboldt at Palisade, Nev.

261%

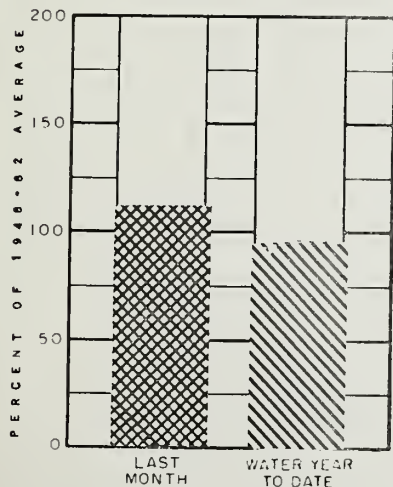


Truckee at Farad, Calif.

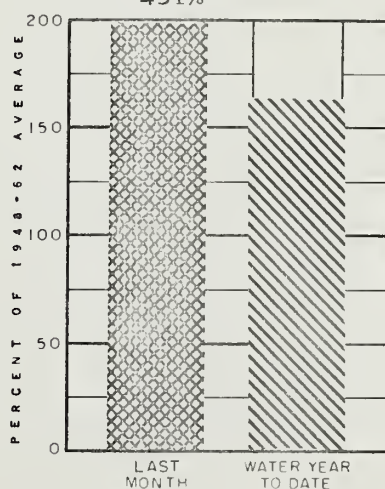


Carson near Carson City, Nev.

431%



W. Walker near Coleville, Calif.



Virgin at Littlefield, Ariz.

STATUS OF NEVADA RESERVOIR STORAGE

February 1, 1969

BASIN and Stream	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE CAPACITY - 1000 ACRE-FEET			
			1969	1968	1967	FEBRUARY 1 15-Yr. Ave. 1953-67
Owyhee	Wild Horse	*	1	4	2	13
Lower Humboldt	Rye Patch	179	27	52	70	67
Colorado	Mohave	1,810	1,694	1,691	1,639	1,675
Colorado	Mead	27,217	15,441	14,566	15,629	16,600
Tahoe	Tahoe	732	622	559	451	397
Truckee	Boca	41	2	1	2	7
Truckee	Prosser **	30	9	10	9	Storage began 1/30/63
Carson	Lahontan	286	175	226	160	173
West Walker	Topaz	59	31	56	27	32
East Walker	Bridgeport	42	23	41	24	26

* Reservoir under construction; usable capacity held to 17,000 acre-feet.

** Flood control use allocation of 20,000 acre-feet between November 1 and April 10.

TOTAL RESERVOIR STORAGE

Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz,
and Bridgeport Reservoirs in 1000's Acre-Feet

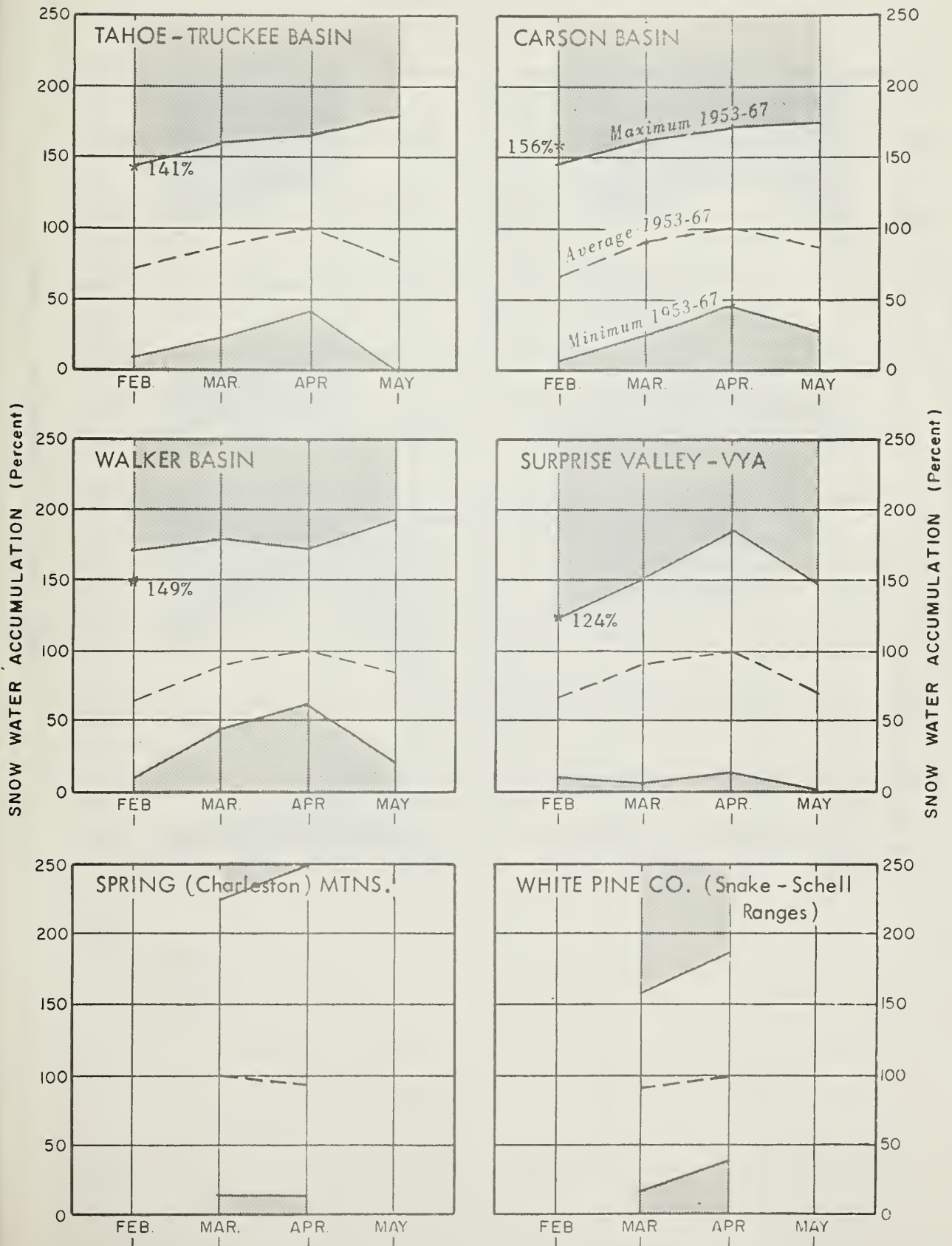
MONTH	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	AVERAGE 1953-67
October 1	702	497	1135	559	965	649	656
January 1	748	789	1114	593	904	694	660
February 1	776	922	1051	736	939	890	715
March 1	774	949	1035	792	1025		768
April 1	774	1002	1054	943	1080		839
May 1	818	1103	1089	978	1074		890

TOTAL USABLE CAPACITY 1,356

SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

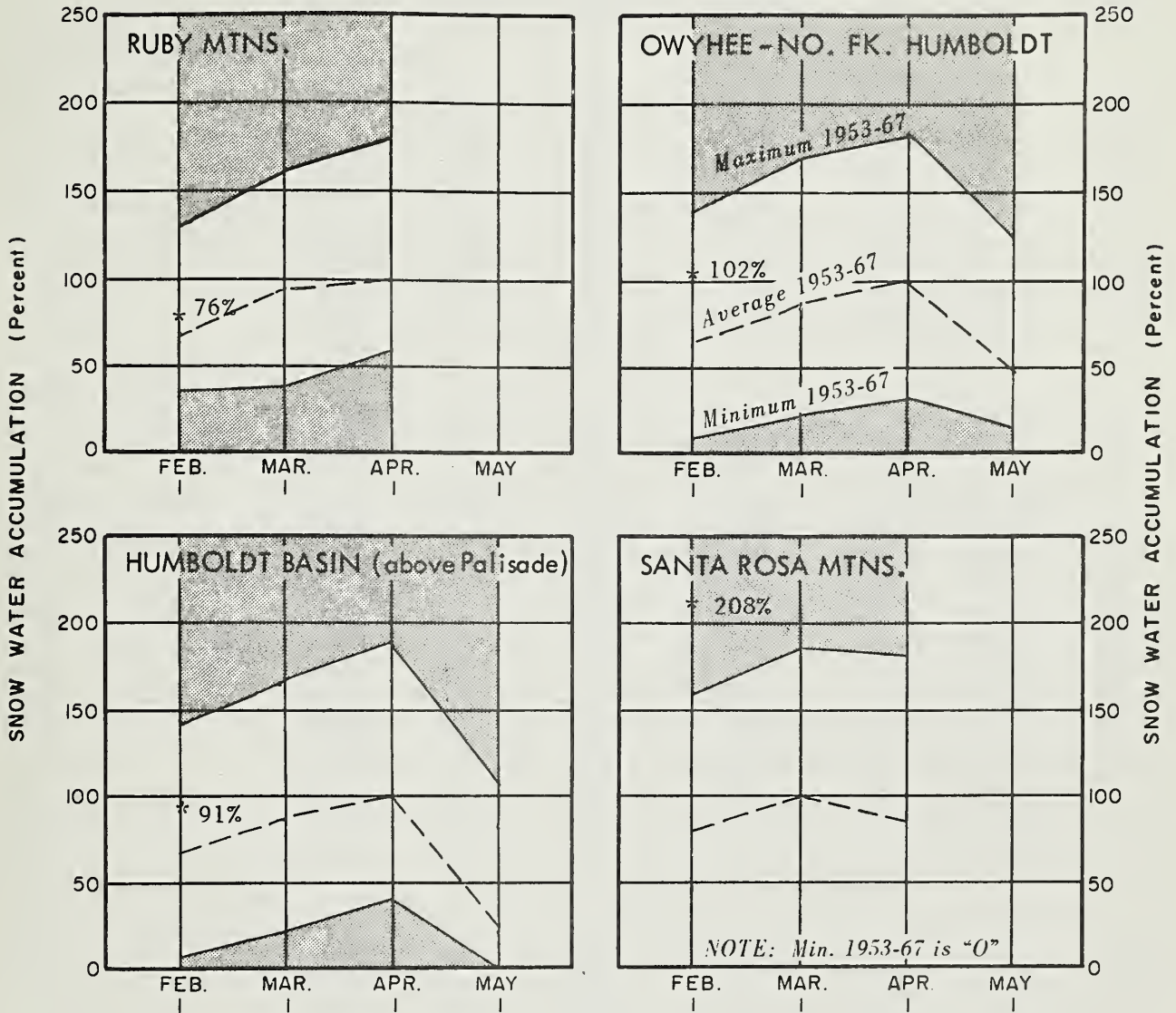
1969



SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

1969



NOTE:

— 1969

----- 1953-67



NEVADA SNOW SURVEYS

February 1, 1969

SNOW COURSE MEASUREMENTS							
Drainage Basin and Snow Course		Elev.	1969		Past Record		
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) 1953-67 Ave.	
SNAKE RIVER							
Bear Creek	7800	2/3	66	19.4a	10.0a	15.6a	11.3 *
+Big Bend	6700	1/28	33	7.9	2.2	5.3	5.3
Goat Creek	8800	2/3	39	10.3a	8.4a	11.3a	10.3 *
+Gold Creek	6600	1/28	18	4.7	T	3.6	3.6
Hummingbird Springs	8945	2/3	84	25.0a	10.0a	17.4a	11.1 *
Merritt Mountain	7000	1/31	24	7.0a	0.2a	5.3a	---
Pole Creek R. S.	8330	1/30	49	14.4	9.2	14.7	10.8 *
Red Point	7940	2/3	17	5.0a	3.9a	13.2a	6.2 *
76 Creek	7100	2/3	49	14.3a	3.1a	6.7a	6.1 *
Stag Mountain	7700		No survey		1.1a	4.1a	---
OWYHEE RIVER							
+Bear Creek	7800	2/3	66	19.4a	10.0a	15.6a	11.3 *
Big Bend	6700	1/28	33	7.9	2.2	5.3	5.3
Columbia Basin	6650	1/31	36	10.4a	0.9a	6.7a	---
Fawn Creek	7000	1/31	16	4.5a	0.9a	4.5a	---
+Fry Canyon	6700	1/29	31	7.9	2.1	6.0	4.7
Gold Creek	6600	1/28	18	4.7	T	3.6	3.6
+Granite Peak	7800	1/30	60	18.7	6.6	15.3	8.3 *
Jack Creek, Upper	7250	1/31	20	5.6a	1.1a	4.9a	5.1 *
Laurel Draw	6700	1/27	32	7.5	5.4	6.6	4.8 *
+Martin Creek	6700	1/30	52	16.2	5.8	12.2	5.7 *
+Rodeo Flat	6800	1/29	22	5.7	1.4	4.5	4.2
+76 Creek	7100	2/3	49	14.3a	3.1a	6.7a	6.1 *
Taylor Canyon	6200	1/28	26	6.1	3.5	6.0	3.6 *
+Toe Jam	7700	1/31	42	12.2a	8.1a	7.5a	---
+Tremewan Ranch	5700	1/28	10	2.4	T	2.4	1.2 *
UPPER HUMBOLDT RIVER							
American Beauty	7800	1/31	33	9.2a	3.1a	8.7a	---
+Bear Creek	7800	2/3	66	19.4a	10.0a	15.6a	11.3 *
+Big Bend	6700	1/28	33	7.9	2.2	5.3	5.3
Corral Canyon	8500	1/31	24	7.0a	3.0a	8.1a	---
Fry Canyon	6700	1/29	31	7.9	2.1	6.0	4.7
+Gold Creek	6600	1/28	18	4.7	T	3.6	3.6
+Jack Creek, Upper	7250	1/31	20	5.6a	1.1a	4.9a	5.1 *
Lamoille #1	7100	1/30	35	8.4	3.8	8.0	6.2
Lamoille #2	7200	1/30	32	7.7	3.5	7.3	5.7
Lamoille #3	7700	1/30	44	10.3	5.6	10.4	7.5
Lamoille #4	8000	1/30	46	12.5	5.5	15.8	11.1 *
Lamoille #5	8700	1/30	62	18.9	9.0	19.0	16.4 *

NEVADA SNOW SURVEYS

February 1, 1969

SNOW COURSE MEASUREMENTS							
Drainage Basin and Snow Course		Elev.	1969		Past Record		
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) 1953-67 1968 1967 Ave.	
<u>UPPER HUMBOLDT RIVER (Continued)</u>							
Pole Canyon	9140	1/31	16	4.1a	0.9a	1.2a	---
Robinson Lake	9200	1/31	56	16.8a	2.5a	18.0a	---
Rodeo Flat	6800	1/29	22	5.7	1.4	4.5	4.2
+76 Creek	7100	2/3	49	14.3a	3.1a	8.5a	6.1 *
+Stag Mountain	7700	No survey			1.1a	4.1a	---
+Taylor Canyon	6200	1/28	26	6.1	3.5	6.0	3.6 *
+Toe Jam	7700	1/31	42	12.2a	8.1a	7.5a	---
Tremewan Ranch	5700	1/28	10	2.4	T	2.4	1.2 *
Trout Creek, Upper	8500	1/31	36	10.1a	2.5a	5.4a	---
<u>LOWER HUMBOLDT RIVER</u>							
Granite Peak	7800	1/30	60	18.7	6.6	15.3	8.3 *
Martin Creek	6700	1/30	52	16.2	5.8	12.2	5.7 *
Midas	7200	1/31	30	9.0a	0.4a	3.0a	---
Toe Jam	7700	1/31	42	12.2a	8.1a	7.5a	---
Lower Corral	7500	No survey			0.9	1.5	---
Upper Corral	8500	No survey			1.5	4.7	---
<u>QUINN RIVER</u>							
Denio Creek	6000	2/1	6	1.7	0.0	1.2a	0.6 *
Louse Canyon	6440	2/1	24	6.7a	1.2a	7.2a	2.0 *
Oregon Canyon	7240	2/1	38	10.6a	1.2a	8.4a	3.2 *
Quinn Ridge	6300	2/1	12	3.4a	1.2a	3.0a	1.6 *
Trout Creek	7800	2/1	38	10.6a	1.2a	9.6a	3.7 *
<u>LOWER COLORADO RIVER</u>							
Mathew Canyon	6000	2/4	3	0.6	3.6	2.5	2.3 *
Pine Canyon	6200	2/4	4	0.6	4.1	2.8	2.6 *
<u>TAHOE</u>							
+Brockway Summit	7100	1/31	100	30.1	13.9	18.1	10.0 *
Daggetts Pass	7350	1/30	60	18.0	5.2	12.5	7.0
Echo Summit	7500	2/4	140	51.2	17.6	33.3	22.7
Freel Bench	7300	1/29	67	19.2	6.9	11.8	7.8 *
Glenbrook #2	6900	2/1	54	16.9	7.9	11.6	6.8 *
Hagans Meadow	8000	1/29	95	25.9	8.3	16.9	12.6 *
Marlette Lake	8000	1/30	102	30.8	11.7	20.8	12.5 *
Richardsons #2	6500	2/2	69	21.0	12.0	15.8	10.9
Tahoe City	6250	2/2	57	19.4	10.1	13.8	7.7
Truckee, Upper	6400	1/29	53	14.2	6.2	9.4	7.2 *
Ward Creek	7000	1/31	167	51.0	27.0	35.0	25.3 *

NEVADA SNOW SURVEYS

February 1, 1969

Drainage Basin and Snow Course		SNOW COURSE MEASUREMENTS					
		1969			Past Record		
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) 1953-67		
		Elev.			1968	1967	Ave.
<u>TRUCKEE RIVER</u>							
Boca #2	5900	1/30	36	9.0	7.4	6.9	5.2
Brockway Summit	7100	1/31	100	30.1	13.9	18.1	10.0 *
Donner Park #2	6000	1/29	74	21.2	16.4	19.1	10.8 *
+Donner Summit	6900		No survey		17.3	45.0	23.6
+Castle Creek	7400	2/4	169	63.1	29.8	52.0	50.9
+Furnace Flat	6600		No survey		19.0a	-	27.4 *
Independence Camp	7000	2/1	94	34.2	18.4	23.8	---
Sage Hen Creek	6500	2/1	71	25.0	15.9	19.6	11.8
Squaw Valley #2	7500	2/3	173	62.6	29.1	49.1	27.6 *
Tahoe City	6250	2/2	57	19.4	10.1	13.8	7.7
Truckee #2	6400	2/1	61	20.3	11.6	18.4	10.4 *
+Ward Creek	7000	1/31	167	51.0	27.0	35.0	25.3 *
<u>CARSON RIVER</u>							
Carson Pass, Upper	8600	1/29	142	44.4	12.6	34.4	20.3
Ebbetts Pass	8700	1/29	144	43.2a	20.7a	-	---
Wet Meadow Lake	8100	1/29	108	32.4a	17.4a	26.0a	---
Poison Flat	7900	1/29	60	18.0a	14.4a	18.0a	11.0 *
Upper Fish Valley	8050	1/29	66	19.8a	8.7a	15.6a	10.6 *
Wolf Creek	8000	1/29	120	36.0a	17.9a	28.8a	---
<u>WALKER RIVER</u>							
Center Mountain	9400	1/29	162	45.5a	23.4a	37.4a	---
Lobdell Lake	9200	1/29	96	26.9a	8.4a	18.0a	---
Sonora Pass	8800	1/28	120	35.4	8.1	26.6	14.2 *
Tioga Pass	9900	1/31	114	36.0	7.9	29.0	17.0 *
Virginia Lakes	9500	1/27	89	23.7	4.8	18.4	10.3 *
<u>WHITE MOUNTAINS</u>							
Campito Mountain	10200	1/30	37	9.7	2.4	11.6	3.5 *
Chiatovich Flat	10500	1/29	12	3.3a	1.2a	7.3a	---
Montgomery Pass	7100	1/31	16	3.1	0.0	2.4	1.4 *
Pinchot Creek	9300	1/29	2	0.7a	T	0.8a	1.2 *
Piute Pass	11700	1/29	6	2.0a	0.6a	9.2a	3.1 *
<u>NORTHERN GREAT BASIN (Surprise Valley)</u>							
Barber Creek	6500	1/31	48	13.8	7.4	5.8	6.9 *
Cedar Pass	7100	2/3	67	17.8	10.8	11.1	9.1
Dismal Swamp	7000	1/28	60	16.2a	5.5a	13.4a	9.1 *
49 Mountain	6000	2/1	27	7.1	3.1	5.5	3.2 *
Hays Canyon	6400	1/31	21	5.9	3.7	2.8	2.7 *
Little Bally Mtn.	6000	2/3	15	4.1a	1.5a	3.4a	1.9 *
Reservation Creek	5900	1/30	48	12.7	5.8	7.0	7.3 *

NEVADA SNOW SURVEYS

February 1, 1969

Drainage Basin and Snow Course	Elev.	SNOW COURSE MEASUREMENTS					
		1969			Past Record		
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) 1953-67		
					1968	1967	Ave.
<u>EASTERN NEVADA</u>							
Baker #3	9250	2/3	54	15.1a	8.3a	---	---
Silver Creek #2	8000	2/3	24	6.5a	4.8a	---	---
Ward Mountain #2	8900	2/3	33	8.6a	3.4a	---	---

+ Located on adjacent drainage.

a Aerial snow depth gage reading; water content estimated.

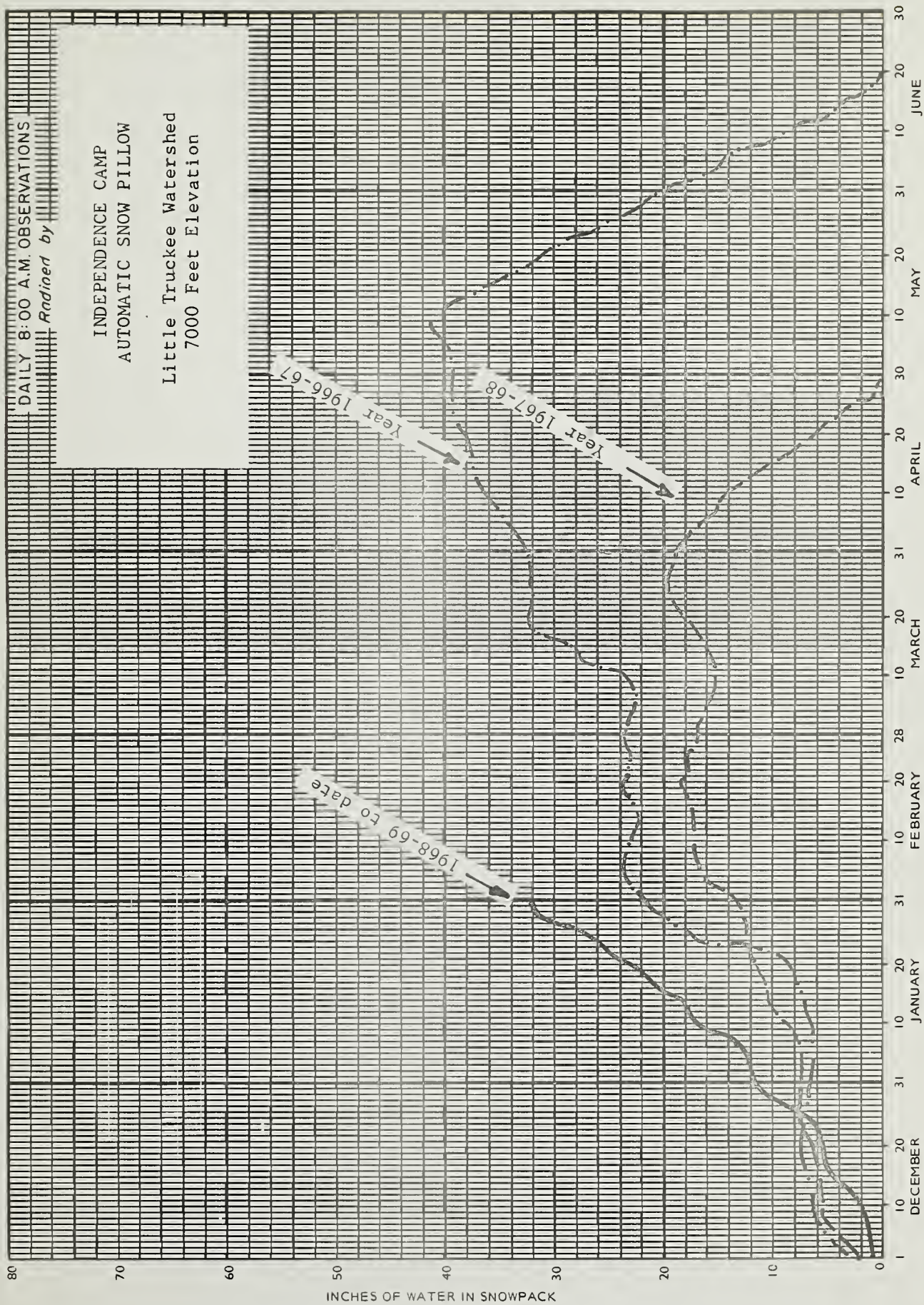
* 1954-67 adjusted average.

NEVADA SOIL MOISTURE

February 1, 1969

BASIN and Station	Elevation	PROFILE (Inches)		Date	SOIL MOISTURE		
		Depth	Capacity		This Year	Last Year	2 Years Ago
<u>OWYHEE-HUMBOLDT</u>							
Big Bend	6700	48	16.7	1/28	16.2	14.9	15.7
Rodeo Flat	6800	42	11.0	1 29	11.0	10.4	10.6
Taylor Canyon	6200	48	15.1	1/28	13.0	14.5	12.1
<u>TAHOE-TRUCKEE</u>							
Independence Camp	7000	34	6.1	2/1	5.2	5.1	5.4
Marlette Lake	8000	50	3.7	1/30	3.5	2.5	3.2
Sonora Pass	8800	48	8.3	1/28	8.3	7.7	8.3
Ward Creek	7000	49	5.8	Est.	4.9	5.6	5.6

U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION



Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

- Agricultural Research Service
- Army
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- U.S. District Court - Federal Water Master
- Weather Bureau

STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Soil Conservation Districts
- Nevada Cooperative Snow Surveys
- Nevada Department of Conservation & Natural Resources
 - Division of Water Resources
 - Nevada State Forester-Firewarden
- Oregon Cooperative Snow Surveys
- University of Nevada
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas & Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Squaw Valley Development Company
- Truckee-Carson Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

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*"The Conservation of Water begins
with the Snow Survey"*